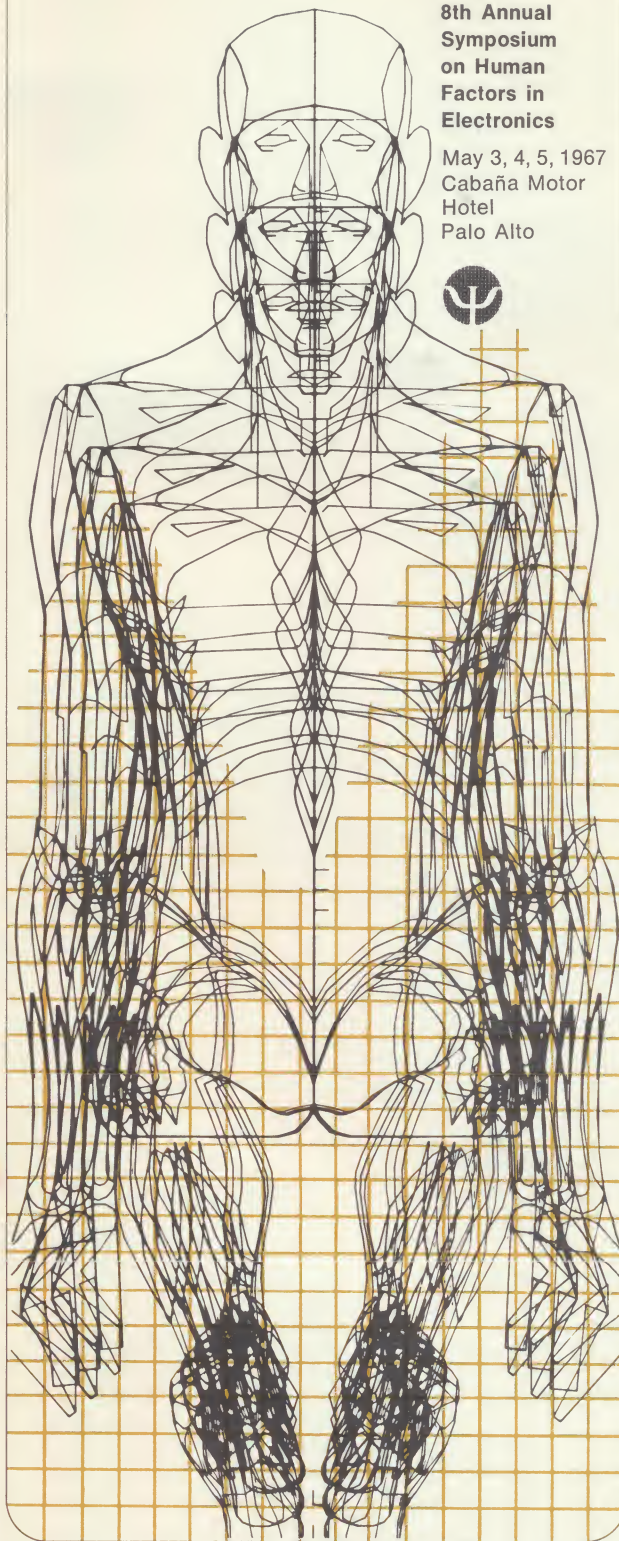


I.E.E.E.

8th Annual
Symposium
on Human
Factors in
Electronics

May 3, 4, 5, 1967
Cabaña Motor
Hotel
Palo Alto





Advance
Program
8th Annual
Symposium
on Human
Factors in
Electronics
Theme:
Automation-
Performance-
Acceptance:
Compromises
in System
Design
May 3-4-5,
1967
Palo Alto
Cabaña
Motor Hotel

Drawing produced by
Computer Graphics,
The Boeing Company

Technical Tours Stanford Linear Accelerator
and Stanford Automated
Teaching Center May 4, 1:30
NASA-Ames Research Center
May 4, 1:30

**Optional Night
Life Tour** To San Francisco, including
dinner May 3, 7:30-12:30

Exhibits Scientific and commercial
exhibits of interest to human
factors engineers.

Hosted Cocktail Hours May 3, 5:30-7:30
May 4, 6:00-7:30

**Organized Luncheons
and Banquet** (with noted speakers)
May 3, 12:00-2:00
May 4, 7:45-9:00
May 5, 12:15-2:00

Women's Activities
May 3, 8:30-4:00 Welcome Address (at Cabaña)
Stanford University (campus
tour)
Allied Arts Guild (objets d'art)
Stanford Shopping Center
Town and Country (shopping)

May 4, 9:00-4:00 Sunset Magazine Gardens and
Offices (tour)
Mayfield Mall (shopping)
(Cabaña at lunch time)
Paul Masson Champagne
Cellars (wine tasting and tour)
Villa Montalvo, Former
Governor's Palace (house and
garden tour)

accommodations Cabaña Motor Hotel
4290 El Camino Real
Palo Alto, California 94036
Telephone (415) 327-0800
Cabaña Rates:
Single \$15.00
Double \$20.00
Twin \$20.00

Other motels in close proximity
to the Cabaña:

Rickeys Hyatt House
Dinah's Motor Hotel
Caravan Inn
Marco Polo Motel
International Inn

For reservation information for
the above motels, please
contact:

Mr. William Ereneta
Serendipity Associates
199 1st Street
Los Altos, California 94022
Telephone: (415) 941-3300

technical program

Tuesday, May 2

6:00–8:00 p.m. Registration, Cabaña Lobby

Wednesday, May 3

8:00 a.m. Registration, Cabaña Lobby

8:30 a.m. Welcome Address by Conference Chairman — Steven E. Belsley, Deputy Assistant Director for Life Sciences, NASA-Ames Research Center, Moffett Field, California

9:00–12:00 a.m. **Session A: Models of Cognitive Processes**

Chairman: Richard D. Smallwood
Stanford University
Stanford, California

“Conceptual Models for Human Functioning and Change Processes,” by Willis W. Harman

“Human and Artificial Belief Systems,” by Kenneth M. Colby

“Diagnostic Decision-Making in a Bayesian Framework,” by L. P. Schrenk and A. F. Kanarick

“Modelling the Sonar Operator's Detection Process,” by Joseph G. Wohl

“The Effect of Preview on Information Transmission Rate,” by William R. Ferrell

9:00–12:00 a.m.

“Toward a Model of Perceptual Narrowing,” by Gershon Weltman

Session B: Man-Machine Considerations in Sensory Aids Design

Chairman: Patrick W. Nye
Willis H. Booth Computing Center
California Institute of Technology
Pasadena, California

“Human Factors in the Design of Sensory Aids Displays, Processors, and Sensors,” by John K. Dupress

“Towards an Improved Optophone — Experiments with a Musical Code,” by Michael P. Beddoes

“A Recognition Type Reading Machine for the Blind,” by Glendon C. Smith

“Page Position Selection for Use with a Reading Machine for the Blind,” by Donald Troxel

“Recent Progress in the Development of an Electro-Myographically Controlled Limb,” by Robert W. Mann

“Research on Phenomena of Electrical Stimulation of Touch and its Possible Application to the Navigational Problems of Blindness,” by Robert H. Gibson

“A Viewpoint on Current Man-Machine Problems in Sensory Aid Design and their Influence on Future Research Strategy,” by Benjamin W. White

12:00–2:00 p.m.

Luncheon — Speaker to be announced

"Highway Route Coding for Automatic Recognition," by R. H. Emery and J. Z. Grayum

"Human Factors in Transit User Transferring," by Robert B. Sleight

"Surface Effect Vehicle — Aircraft or Ship?", by Alfred Skolnick

"A Human Factors Program for Surface Effect Ships," by T. E. Mansfield

"Human Factors in Ship Concept Formulation," by A. W. Peters and E. M. Ramras

"The Dangers of Technology," by Martin Wohl

1:30–5:00 p.m. Ames Research Center
Tour: Wind Tunnels,
Computers, and Research
Areas

1:30–5:00 p.m. Stanford University Tour:
Accelerator and Automated
Teaching Center

1:30–4:30 p.m. **Session G: Measurement
of Speech Quality**

Chairman: H. R. Silbiger
Bell Telephone
Laboratories
Holmdel, New Jersey

"Speech Transmission
Quality Evaluation," by
H. R. Silbiger and J. L.
Sullivan

"Evaluation of
Communication Systems
from the Standpoint of
Speaker Recognizability,"
by W. D. Voiers

"The Isopreference
Method for Speech Quality
Measurements," by E. H.
Rothauser and G. E.
Urbanek

1:30–4:30 p.m.

"Multidimensional Aspects
of Speech Quality," by
F. R. Clarke

**Session H: New
Considerations for
Automating and
Conceptualizing Electronic
Maintenance**

Chairman: Bernard
Manheimer
Center for Naval Analyses
of the Franklin Institute
Arlington, Virginia

"A Minimum-Cost
Bayesian Model for
Troubleshooting," by
R. L. Hershman

"In-Flight Maintenance:
An Essential for Prolonged
Manned Space Missions,"
by Edward P. Goodrich

"Predicting the
Maintenance Burden for
Alternate Automatic Fault
Location Designs," by
Bernard Manheimer

"Computerized Aid to
Signal Tracing," by G.
Grant

"Human Factors in the
Production of
Microelectronic Devices,"
by Robert M. Springer and
Douglas H. Harris

7:45 p.m.

Symposium Banquet —
Speaker to be announced

Friday, May 5
8:30–12:00 a.m.

**Session I: Designing
Vehicles for Automatic
Control and Safety**

Chairman: Slade Hulbert
Institute of Transportation
and Traffic Engineering
University of California at
Los Angeles, California

"Evolution Toward
Automated Highway

Transportation," by S. M.
Breuning

"Automation of the
Automobile," by R. L.
Cosgriff and R. E. Fenton

Title to be announced —
by T. H. Rockwell

"Closed-Loop Directional
Control of Automobiles,"
by D. H. Weir

"Simulation of Sudden
Situations in Automobile
Driving," by T. B. Sheridan
and R. D. Roland

"Can Vigilance Be
Taught?" by E. I. Wiener

8:30–12:00 a.m.

**Session J: Displays for
Aerospace Applications**

Chairman: R. O. Besco
American Airlines
Los Angeles, California

"Engineering Design as
Applied to Simulation for
Human Factors Research
Studies," by Ronald D.
Monroe

"Factors Affecting Design
of the Head-Up Display,"
by J. M. Naish

"V/STOL Hover Displays
— An Analysis and
Design," by Paul R. Fuller,
Roger Hardwicke, and
Jerry Fellingner

"Summary of NASA
Research on Flight
Displays," by Roger
Winblade

"Display Requirements for
Aircraft Collision
Avoidance," by Edward
Eddowes

"Today's Pilot, Mission,
and Aircraft," by Eric
Guttmann

12:00–2:00 p.m.

Luncheon — Speaker to be
announced

Checks should be made out to IEEE HUMAN FACTORS GROUP 8TH ANNUAL SYMPOSIUM. Registration rates are as indicated on the coupon. These rates include a copy of the symposium digest, two luncheons, and the banquet. Additional digests may be purchased at the registration desk.

** Cost to include two cocktail parties and transportation for tours.

Place
Stamp
Here



Registration Chairman
IEEE Human Factors Group
8th Annual Symposium
William J. Ereneta
Serendipity Associates
199 First Street
Los Altos, California 94022

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.